

Title (en)
METHOD OF CALIBRATING A SURFACE SENSING DEVICE, CORRESPONDING CALIBRATING PROGRAM FOR A CONTROL COMPUTER AND CORRESPONDING CALIBRATION KIT

Title (de)
VERFAHREN ZUM KALIBRIEREN EINER OBERFLÄCHENSSENSORVORRICHTUNG, ENTSPRECHENDES KALIBRIERPROGRAMM FÜR EINEN STEUERRECHNER UND ENTSPRECHENDES KALIBRIERUNGSSET

Title (fr)
PROCÉDÉ D'ÉTALONNAGE D'UN DISPOSITIF DE DÉTECTION DE SURFACE, PROGRAMME D'ÉTALONNAGE CORRESPONDANT POUR ORDINATEUR DE COMMANDE ET KIT D'ÉTALONNAGE CORRESPONDANT

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Application
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Priority
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Abstract (en)
[origin: WO2018150169A1] A surface sensing device (4) is mounted on an articulating probe head (7) of a coordinate measuring machine. The device (4) includes an elongate probe holder (8) which is rotatable about an axis (C). An elongate sensing module (10) includes a surface finish or surface roughness probe with a stylus tip (5). This is connected to the probe holder (8) via an adjustable knuckle joint (12). To determine the geometry of the surface sensing device (4), including the tip normal (TN) and drag vector (DV) of the stylus tip (5), the orientations of the probe holder (8) and the sensing module (10) are determined by probing points (44A, 44B, 46A, 46B) which are spaced along their lengths, using a separate probe (32).

IPC 8 full level
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CPC (source: EP US)
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